Specifications — DVI 104 TX/RX

NOTE *The DVI 104 TX/RX consists of a transmitter (DVI 104 TX) and a receiver (DVI 104 RX) with fiber optic cables linking the two units.*

NOTE *These transceivers are class 1 laser products. They meet the safety regulations of IEC-60825, FDA 21, CFR 1040.10, and FDA 21 CFR 1040.11.*

Optical fiber interconnection between transmitter and receiver

Number/type	4 fiber optic, multimode
Connectors	4 female LC connectors
Operating distance	Up to 1,640' (500 m)

NOTE *Operating distance is approximate. This is a typical distance. The maximum distance may be greater than these typical numbers depending on factors such as fiber type, fiber bandwidth, connector splicing, losses, modal or chromatic dispersion, environmental factors, and kinks.*

Nominal peak wavelength	850 nm

Video

Gain	Unity
Maximum data rate	4.95 Gbps (1.65 Gbps per color)
Maximum pixel clock	165 MHz
Resolution range	Up to 1920x1200 or 1080p @ 60 Hz
Formats	RGB and YCbCr digital video
Standards	DVI 1.0

Video input — transmitter

Number/signal type	1 single link DVI
Connectors	1 male DVI-D

Video output — receiver

Number/signal type	1 single link DVI
Connectors	1 male DVI-D

General

Power	Supplied by an external power supply or by the source device's 5 VDC output on pin 14 of a DVI connector
External power supply	100 VAC to 240 VAC, 50/60 Hz, external; to 5 VDC, 4 A, regulated
Power input requirements	
Transmitter	5 VDC, 0.195 A
Receiver	5 VDC, 0.360 A
Temperature/humidity	Storage: -40 to +158 °F (-40 to +70 °C) / 10% to 90%, noncondensing Operating: +32 to +122 °F (0 to +50 °C) / 10% to 90%, noncondensing
Cooling	Convection, no vents
Mounting	
Rack mount	No
Furniture mount	No
Enclosure type	Plastic
Enclosure dimensions	0.6" H x 1.5" W x 2.3" D (1.5 cm H x 3.9 cm W x 5.9 cm D) (Depth excludes DVI connector.)
Product weight	0.7 lbs (0.3 kg) per TX/RX pair
Shipping weight	1 lb (<1 kg) per TX/RX pair
Vibration	ISTA 1A in carton (International Safe Transit Association)

Specifications — DVI 104 TX/RX, cont'd

Regulatory compliance
- Safety ..... CE, CUL, UL
- EMI/EMC ..... CE, C-tick, FCC Class A, FDA Class 1, ICES, VCCI
- Environmental ..... Complies with the appropriate requirements of RoHS.

MTBF ..... 30,000 hours

Warranty ..... 3 years parts and labor

NOTE *All nominal levels are at ±10%.*

NOTE *Specifications are subject to change without notice.*

7.6-121708-D4